



Safety Data Sheet

Date of issue: 02/15/21

Version: 1.2

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Direct Action Lubricant

Intended Use of the Product

Use of the Substance/Mixture: Synthetic Lubricants.

Name, Address, and Telephone of the Responsible Party

Company

Direct Action Outcomes

304 Kilmory Drive

Spicewood, TX 78669

(203)-544-4590

Contact@directactionoutcomes.com

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Not a dangerous substance according to Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Classification (GHS-US)

Non hazardous.

Label Elements

Not a dangerous substance according to Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Carcinogenicity:

- IARC** : No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- NTP** : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- ACGIH** : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Contains no hazardous ingredients according to GHS.

SECTION 4: FIRST AID MEASURES

- General advice** : Do not leave the victim unattended.
- If inhaled** : Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, place in recovery position and seek medical advice. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
- In case of skin contact** : Wash off with soap and water.
- In case of eye contact** : Remove contact lenses. Flush thoroughly with water. If eye irritation persists, consult a specialist.
- If swallowed** : Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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SECTION 5: FIRE-FIGHTING MEASURES

Flash point	: > 279 °C (535°F), ASTM D-92
Autoignition temperature	: N/D
Appropriate extinguishing media	: Use water fog, foam, dry chemical or carbon dioxide (CO ₂) to extinguish flames.
Unsuitable extinguishing media	: Straight stream of water.
Special protective equipment for fire-fighters	: Wear self contained breathing apparatus for fire fighting if necessary.
Fire and explosion protection	: Normal measures for preventive fire protection.
Hazardous decomposition products	: N/D

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	: Use personal protective equipment. Ensure adequate ventilation.
Environmental precautions	: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods for cleaning up	: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Handling

Advice on safe handling	: Do not breathe vapors/dust. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.
Advice on protection against fire and explosion	: Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers	: Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures

Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

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Personal protective equipment

Respiratory protection	: Wear a supplied-air NIOSH approved respirator unless ventilation or other engineering controls are adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure. Wear a NIOSH approved respirator that provides protection when working with this material if exposure to harmful levels of airborne material may occur, such as:. Full-Face Supplied-Air Respirator. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.
Hand protection	: The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Eye protection	: Tightly fitting safety goggles. Eye wash bottle with pure water.
Skin and body protection	: Choose body protection according to the amount and concentration of the dangerous substance at the work place. Wear as appropriate:. Lightweight protective clothing. Safety shoes.
Hygiene measures	: General industrial hygiene practice.
Protective measures	: Wear suitable protective equipment. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Physical state	: Liquid
Color	: See Product
Odor	: Odorless
Flash point	: >279°C (535°F), COC
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Oxidizing properties	: No data available
Autoignition temperature	: 343 °C (649 °F)
Boiling point/boiling range	: >316°C (600°F)
Vapor pressure	: <0.1 mmHg @ 20°C (68°F)
Relative density	: 0.83-0.86, 15.6 °C(60.1 °F)
Water solubility	: Soluble in hydrocarbon solvents; insoluble in water.
Viscosity, kinematic	: 30-1300 cSt at 40.0°C (104°F)
Partition coefficient: n-octanol/water	: No data available
Evaporation rate	: No data available

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SECTION 10: STABILITY AND REACTIVITY

Stability:	Material is stable under normal conditions.
Conditions to avoid:	No data available.
Material to avoid:	None known
Hazardous decomposition products:	No data available
Hazardous polymerization:	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Route of Exposure	Conclusion / Remarks
Inhalation	
Toxicity (Rat): LC50 > 5000 mg/m3	Minimally Toxic. Based on test data for structurally similar materials.
Irritation: No end point data.	Negligible hazard at ambient/normal handling temperatures.
Ingestion	
Toxicity (Rat): LD50 > 5000 mg/kg	Minimally Toxic. Based on test data for structurally similar materials.
Skin	
Toxicity (Rat): LD50 > 2000 mg/kg	Minimally Toxic. Based on test data for structurally similar materials.
Irritation (Rat): Data available.	Negligible irritation to skin at ambient temperatures. Based on test data for structurally similar materials.
Eye	
Irritation (Rabbit): Data available.	No eye irritation.

Chronic/Other Effects

For the product itself:

Synthetic base oils: Not expected to cause significant health effects under conditions of normal use, based on laboratory studies with the same or similar materials. Not mutagenic or genotoxic.

Sensitization	: Classification: Did not cause sensitization on laboratory animals.
Aspiration toxicity	: No aspiration toxicity classification.
CMR effects	: Carcinogenicity: Not classifiable as a human carcinogen. Mutagenicity: Animal testing did not show any mutagenic effects. Teratogenicity: Did not show teratogenic effects in animal experiments. Reproductive toxicity: No toxicity to reproduction.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish	: LC50: > 750 mg/l Exposure time: 96 Species: Pimephales promelas (fathead minnow)
Toxicity to daphnia and other aquatic invertebrates	: EL50: >1,000 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) static test Method: OECD Test Guideline 202

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Toxicity to algae	: EC50: >1,000 mg/l Exposure time: 96 h Species: Selenastrum capricornutum (algae)
Bioaccumulation	: This material is not expected to bioaccumulate.
Biodegradability	: This material is not expected to be readily biodegradable. Expected to be inherently biodegradable.
Ecotoxicology Assessment	: Results of PBT assessment (Product) This substance is not considered to be persistent, bioaccumulating and toxic (PBT).
Additional ecological information (Product)	: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

The information in this SDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

Additional advice: Not classified as dangerous in the meaning of transport regulations.

SECTION 15: REGULATORY INFORMATION

National legislation

SARA 311/312 Hazards	: No SARA Hazards
CERCLA Reportable Quantity	: This material does not contain any components with a CERCLA RQ.
SARA 302 Reportable Quantity	: This material does not contain any components with a SARA 302 RQ.
SARA 302 Threshold Planning Quantity	: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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- SARA 304 Reportable Quantity : This material does not contain any components with a section 304 EHS RQ.
- SARA 313 Ingredients : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

- Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

US State Regulations

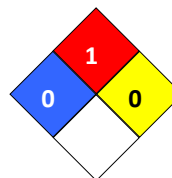
- Pennsylvania Right To Know : No components are subject to the Pennsylvania Right to Know Act.
- New Jersey Right To Know : No components are subject to the New Jersey Right to Know Act.
- California Prop. 65 Ingredients : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

Notification status

- United States of America TSCA : On the inventory, or in compliance with the inventory
- Europe NLP : On the inventory, or in compliance with the inventory
- Canada DSL : On the inventory, or in compliance with the inventory
- Australia AICS : On the inventory, or in compliance with the inventory
- New Zealand NZIoC : On the inventory, or in compliance with the inventory
- Japan ENCS : On the inventory, or in compliance with the inventory
- Korea KECI : On the inventory, or in compliance with the inventory
- Philippines PICCS : On the inventory, or in compliance with the inventory
- China IECSC : On the inventory, or in compliance with the inventory
- Taiwan TCSI : On the inventory, or in compliance with the inventory

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

- NFPA Classification** : Health Hazard: 0
Fire Hazard: 1
Reactivity Hazard: 0



- Revision Date** : 02/15/2021

- Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.